

WOHLER AMP2-S8DA

8 Channel Analog & AES/EBU Digital Audio Monitor with Channel Summing



The AMP2-S8DA is a complete exceptionally high quality audio monitoring system offering premium quality 8 channel Analog and AES/EBU digital multi-channel audio monitoring & conversion as well as professional level metering in a compact two rackspace cabinet. This unit contains three audiophile-quality drivers and three power amplifiers; two speakers and amplifiers reproduce midrange and high frequency information in stereo, while the third amp/driver combination handles summed LF information below the 500 Hz crossover point.

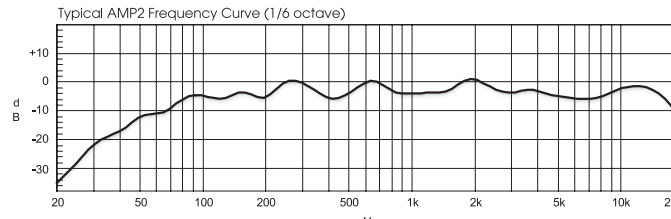
The AMP2-S8DA features eight 53 segment high-resolution tri-color LED level meters showing simultaneous VU and PPM for superior level-metering. The front panel features an innovative LCD Display of Phase/Polarity Relationships. Output limiter circuits are incorporated to protect the speakers, and extensive magnetic shielding allows placement immediately adjacent to video monitors with no color impurities.

The unique design provides optimally focused sound for operators in an Ultra Near Field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and "added-on" look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk. Extended HF response reveals potential problems with audio whine or hiss and electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. A headphone jack is provided on the front panel, usage automatically mutes the speakers.

This unit is ideally suited for use in space critical environments such as TV facilities, studios, VTR bays, mobile production vehicles, satellite links and indeed, any rackmount environment where multi-channel audio monitoring is required. Built and rigorously tested in the USA, our products are backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

Features:

- 4 Balanced or Unbalanced AES/EBU Digital Inputs
- 8 Balanced Analog Inputs
- Front Panel Summing of any Combination of up to 8 Channels to the Left and/or Right Speakers
- 8 Analog Outputs from AES/EBU Digital or Analog Inputs
- Analog Output of Selected Pair or Multichannel Downmix
- Powerful 104dB SPL at 2 feet (0.6m)
- Premium Quality Drivers & Power Amplifiers
- Excellent Frequency Response and Low Distortion
- Focused Sound, Reduces Adjacent Bay Crosstalk
- Audible Indication of Phase/Polarity Problems
- Eight 53 Segment Tri-Color LED Bargraphs displaying Simultaneous VU and PPM
- Phase-Correlation Display of Selected Channels
- Output Limiter Protected Speakers
- Headphone Jack, Mutes Speakers
- Thorough Magnetic Shielding for Placement next to Video Monitors



As of 21st July 2003, all AMP S8 series products will be shipped with additional capabilities:

Full featured Multi-channel down-mix capability – according to a variety of industry standards. This allows two-channel preview of multi-channel material.

Extra AES/EBU inputs: Unit accepts unbalanced 75 ohm AES1 on BNC connectors, and balanced 110 ohm AES2 on a DB25 connector.

AES and SDI signal lock indicators.

Non-volatile setting: Unit is configured to return to previous settings after power interruption.

Remote Control (factory option).

Easier in-field software upgrade capability.

...all provided at no additional cost as part of Wohler Technologies' commitment to continual product improvement and service.

Pre-July 2003 product configurations will still be supported and available as no-cost factory options.



Audio Monitoring

Level Metering

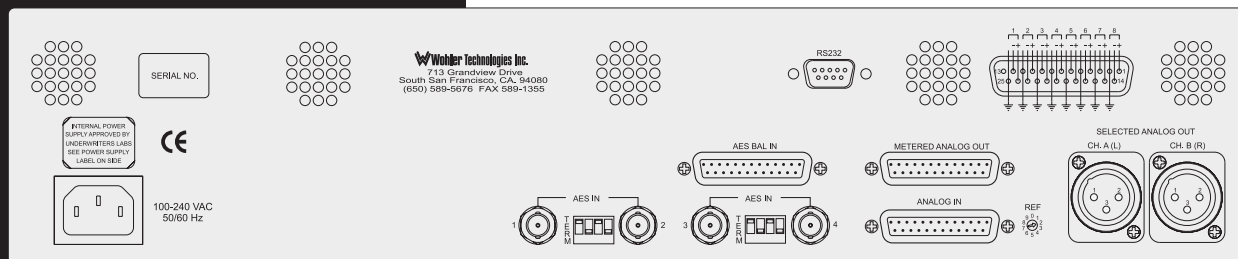
Alarm Systems

Video Monitoring

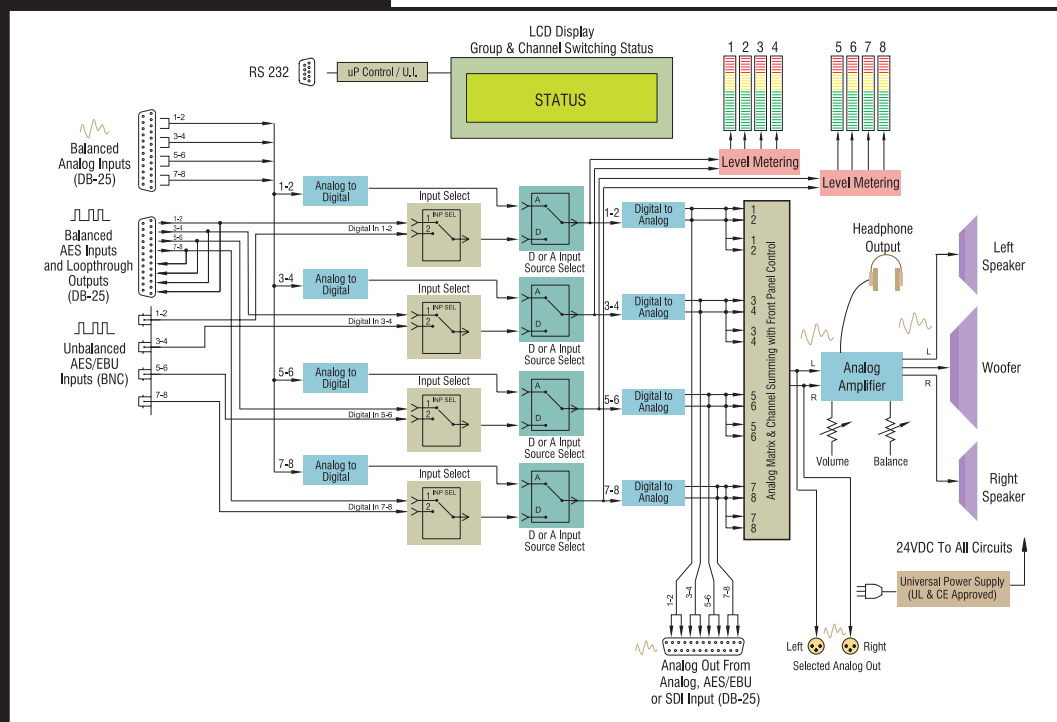
WOHLER AMP2-S8DA

8 Channel Analog & AES/EBU Digital Audio Monitor with Channel Summing

Rear Panel:



System Diagram:



Specifications:

| | |
|---------------------------------|---|
| Analog input | .8 balanced analog inputs, DB-25 |
| AES/EBU input | .4 unbalanced (BNC) or balanced (DB-25) AES/EBU inputs |
| Analog output | .8 balanced (DB-25) analog outputs from analog or AES/EBU inputs. Balanced (XLR) analog output of 2 selected channels |
| Level meters | .8 x 53 segment |
| Level meter scale | .0 to -66 dB |
| Level meter threshold | .0, +4, +6 or +8dBv : switch selectable |
| Level meter dynamics | .simultaneous VU & PPM |
| Midscale resolution | .1dB |
| Peak acoustic output @ 2 feet | .104dB SPL |
| Power output | .RMS each side (4 Ohms) - 10W, 14W peak .RMS center WOOFER (4 Ohms) - 25W, 35W peak |
| Frequency response (1/6 octave) | .80Hz - 16kHz (±5dB) (-10dB @ 40Hz, 20kHz) |
| Analog input impedance | .>40 kOhms balanced 10 kOhms unbalanced |
| AES/EBU input termination | .110 Ohms balanced 75 Ohms unbalanced |
| AES/EBU input sampling rate | .32-48kHz, auto-detecting |
| Hum and noise | .better than -68dB below full output |
| Electrical distortion | .<0.15% at any level below limit threshold |
| Acoustic distortion | .6% or less worst case frequencies above 140Hz including cabinet resonance, typically < 1.5% |
| Magnetic shielding | .<0.8 gauss any adjacent surface |
| Power consumption (AVG. MAX.) | .45W |
| Dimensions (HxWxD) | .3.5 x 19 x 12" (44.5 x 483 x 305mm) |
| Weight (approx.) | .18lbs (8.2kg) |
| Power supply | .100 to 240VAC, 50/60Hz universal input CE and UL approved |

All specifications are subject to improvement



Toll Free (US): 1-888-5-WOHLER Tel: (650) 589-5676 Fax: (650) 589-1355
713 Grandview Drive, South San Francisco, California 94080, USA
www.wohler.com • sales@wohler.com